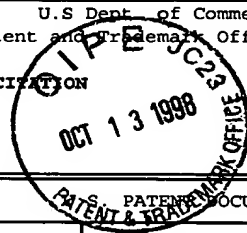






| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
|--|----|---|----------|--|-------|--------------------------|-----------------------|
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant(s) N. PARKER WILLIS ET AL. | | Filing Date 8/3/98 | |
| U.S. PATENT DOCUMENTS | | | | Group | | | |
| *Examiner Initials | | Document Number | Date | Name | Class | Subclass | Filing Date |
| ELH | AA | 4,100,916 | 07-18-78 | King | 128 | 2V | 04-27-76 |
| | AB | 4,173,228 | 11-06-79 | Van Steenwyk et al. | 128 | 653 | 05-16-77 |
| | AC | 4,304,239 | 12-08-81 | Perlin | 128 | 642 | 03-07-80 |
| | AD | 4,431,005 | 02-14-84 | McCormick | 128 | 656 | 05-07-81 |
| | AE | 4,444,195 | 04-24-84 | Gold | 128 | 642 | 11-02-81 |
| | AF | 4,499,493 | 02-12-85 | Nishimura | 358 | 111 | 02-22-83 |
| | AG | 4,522,212 | 06-11-85 | Gelinas et al. | 128 | 642 | 11-14-83 |
| | AH | 4,573,473 | 03-04-86 | Hess | 128 | 642 | 04-13-84 |
| | AI | 4,613,866 | 09-23-86 | Blood | 343 | 448 | 05-13-83 |
| | AJ | 4,628,937 | 12-16-86 | Hess et al. | 128 | 642 | 08-02-84 |
| | AK | 4,649,924 | 03-17-87 | Taccardi | 128 | 642 | 07-08-85 |
| | AL | 4,697,595 | 10-06-87 | Breyer et al. | 128 | 660 | 01-31-85 |
| | AM | 4,699,147 | 10-13-87 | Chilson et al. | 128 | 642 | 09-25-85 |
| | AN | 4,777,955 | 10-18-88 | Brayton et al. | 128 | 642 | 11-02-87 |
| | AO | 4,785,817 | 11-22-88 | Stouffer | 128 | 660.07 | 10-10-86 |
| | AP | 4,812,976 | 03-14-89 | Lundy | 364 | 413.06 | 01-15-87 |
| | AQ | 4,821,206 | 04-11-89 | Arora | 364 | 513 | 10-23-87 |
| | AR | 4,821,731 | 04-18-89 | Martinelli et al. | 128 | 662.06 | 12-08-87 |
| ELH | AS | 4,899,750 | 02-13-90 | Ekwall | 128 | 419 PG | 04-19-88 |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Country | Class | Subclass | Translation YES NO |
| | | | | | | | |
| OTHER DOCUMENTS | | | | | | | |
| Examiner <u>ELEN MANTU MERLADER</u> | | | | Date Considered <u>07/20/2000</u> | | | |
| * Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

| | | | | | | | |
|--|--|---|--|--|--|--------------------------|--|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant N. PARKER WILLIS ET AL. | | | |
| | | | | Filing Date 8/3/98 | | Group | |



| *Examiner Initials | Document Number | Date | Name | Class | Subclass | Filing Date | |
|---|-----------------|-----------|----------|--------------------|----------|-------------|----------|
| <div style="text-align: center;">   </div> | AT | 4,922,912 | 05-08-90 | Watanabe | 128 | 642 | 10-03-88 |
| | AU | 4,940,064 | 07-10-90 | Desai | 128 | 784 | 06-30-87 |
| | AV | 4,945,305 | 07-31-90 | Blood | 324 | 207.17 | 04-11-89 |
| | AW | 5,000,190 | 03-19-91 | Petre | 128 | 784 | 06-20-89 |
| | AX | 5,012,814 | 05-07-91 | Mills et al. | 128 | 691 | 11-09-89 |
| | AY | 5,025,786 | 06-25-91 | Siegel | 128 | 642 | 07-21-88 |
| | AZ | 5,081,993 | 08-27-91 | Lebron et al. | 364 | 413.05 | 05-01-89 |
| | BA | 5,042,486 | 08-27-91 | Pfeiler et al. | 128 | 653 R | 09-12-90 |
| | BB | 5,054,492 | 10-08-91 | Scribner et al. | 128 | 662.06 | 12-17-90 |
| | BC | 5,054,496 | 10-15-91 | Wen et al. | 128 | 696 | 07-13-89 |
| | BD | 5,056,517 | 10-15-91 | Fenici | 128 | 419 P | 07-21-88 |
| | BE | 5,081,993 | 01-21-92 | Kitney et al. | 128 | 661.08 | 05-09-90 |
| | BF | 5,104,393 | 04-14-92 | Isner et al. | 606 | 15 | 11-02-90 |
| | BG | 5,107,746 | 04-28-92 | Bauer | 84 | 626 | 02-26-90 |
| | BH | 5,154,501 | 10-13-92 | Svenson et al. | 128 | 419 P | 10-19-90 |
| | BI | 5,156,151 | 10-27-92 | Imran | 128 | 642 | 02-15-91 |
| | BJ | 5,158,092 | 10-27-92 | Glance | 128 | 705 | 08-28-89 |
| | BK | 5,161,536 | 11-10-92 | Vilkomerson et al. | 128 | 660.07 | 03-22-91 |
| | BL | 5,172,699 | 12-22-92 | Svenson et al. | 128 | 705 | 10-19-90 |
| <div style="text-align: center;">   </div> | BM | 5,214,615 | 05-25-93 | Bauer | 367 | 128 | 09-24-91 |
| | BN | 5,220,924 | 06-22-93 | Frazin | 128 | 662.06 | 11-06-91 |
| | BO | 5,222,501 | 06-29-93 | Ideker et al. | 128 | 660.03 | 01-31-92 |

OTHER DOCUMENTS

| | |
|--------------------------------------|-----------------------------------|
| Examiner <u>ELSI MANTIS MERLADER</u> | Date Considered <u>07/20/2000</u> |
|--------------------------------------|-----------------------------------|

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | | | |
|--|--|---|--|--|--|--------------------------|--|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant N. PARKER WILLIS ET AL. | | Filing Date 8/3/98 | |
| OCT 13 1998 U.S. PATENT & TRADEMARK OFFICE | | | | Group | | | |

| *Examiner Initials | Document Number | Date | Name | Class | Subclass | Filing Date | |
|-----------------------|-----------------|-----------|----------|---------------|----------|-------------|----------|
| GA | BP | 5,246,016 | 09-21-93 | Lieber et al. | 128 | 898 | 11-08-91 |
| A | BQ | 5,295,484 | 03-22-94 | Marcus et al. | 128 | 660.03 | 05-19-92 |
| | BR | 5,297,549 | 03-29-94 | Beatty et al. | 128 | 642 | 09-23-92 |
| | BS | 5,311,873 | 05-17-94 | Savard et al. | 128 | 696 | 08-28-92 |
| | BT | 5,335,663 | 08-09-94 | Oakley et al. | 128 | 642 | 12-11-92 |
| | BU | 5,341,807 | 05-14-96 | Nardella | 128 | 642 | 06-30-92 |
| | BV | 5,357,956 | 10-25-94 | Nardella | 128 | 642 | 11-13-92 |
| | BW | 5,367,614 | 11-22-94 | Bisey | 395 | 119 | 04-01-92 |
| | BX | 5,385,148 | 01-31-95 | Lesh et al. | 128 | 662.06 | 07-30-93 |
| | BY | 5,391,199 | 02-21-95 | Ben-Haim | 607 | 122 | 07-20-93 |
| | BZ | 5,412,619 | 05-02-95 | Bauer | 367 | 122 | 04-14-94 |
| | CA | 5,443,489 | 01-02-96 | Ben-Haim | 607 | 115 | 09-23-94 |
| | CB | 5,480,422 | 01-02-96 | Ben-Haim | 607 | 122 | 09-23-94 |
| | CC | 5,515,853 | 05-14-96 | Smith et al. | 128 | 661.01 | 03-28-95 |
| | CD | 5,546,951 | 08-20-96 | Ben-Haim | 128 | 702 | 09-23-94 |
| ✓ | CE | 5,553,611 | 09-10-96 | Budd et al. | 128 | 898 | 01-20-95 |
| | CF | 5,568,809 | 10-29-96 | Ben-haim | 128 | 656 | 07-12-95 |
| GA | CG | 5,588,432 | 12-31-96 | Crowley | 128 | 660.03 | 07-10-95 |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------|------|---------|-------|----------|-----------------------|--|
| *Examiner Initials | Document Number | Date | Country | Class | Subclass | Translation YES NO | |
| | | | | | | | |

| OTHER DOCUMENTS | | | | | | | |
|-----------------|--|--|--|--|--|--|--|
| | | | | | | | |

| | |
|---|-----------------------------------|
| Examiner <u>ELEN, MANTAS M. GLADIER</u> | Date Considered <u>07/20/2000</u> |
|---|-----------------------------------|

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | | | |
|--|--|---|--|--|--|--------------------------|--|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant N. PARKER WILLIS ET AL. | | Filing Date 8/3/98 | |
| Group | | | | | | | |

| *Examiner Initials | | Document Number | Date | Name | Class | Subclass | Filing Date |
|--------------------|----|-----------------|----------|------------------|-------|----------|-------------|
| SA | CH | 5,590,657 | 01-07-97 | Cain et al. | 128 | 660.03 | 11-06-95 |
| ↑ | CI | 5,669,878 | 09-23-97 | Dickinson et al. | 604 | 95 | 06-04-96 |
| | CJ | 5,694,945 | 12-09-97 | Ben-Haim | 128 | 736 | 10-23-95 |
| | CK | 5,713,946 | 02-03-98 | Ben-Haim | 607 | 122 | 10-28-96 |
| | CL | 5,779,638 | 07-14-98 | Vesely et al. | A61B | 8/00 | 04-17-97 |
| | CM | 5,795,298 | 08-18-98 | Vesely et al. | A61B | 8/00 | 03-07-97 |
| SA | CN | 5,797,849 | 08-25-98 | Vesely et al. | A61B | 8/00 | 03-07-97 |

| *Examiner Initials | | Document Number | Date | Country | Class | Subclass | Translation YES NO |
|--------------------|----|-----------------|------------|---------|-------|----------|--------------------|
| SA | CO | 0 499 491 A2 | 17.02.92 | EPO | A61N | 1/05 | X |
| SA | CP | EP 0 775 466 A2 | 22.11.1996 | EPO | A61B | 5/04 | X |

| OTHER DOCUMENTS | |
|-----------------|---|
| CQ | Josephson, Mark E. et al., "Recurrent Sustained Ventricular Tachycardia," Univ. of Pennsylvania, <u>Circulation</u> , Vol. 57, No. 3, March, 1978, pp. 440-447. |
| CR | Josephson, Mark E. et al., "Comparison of Endocardial Catheter Mapping with Intraoperative Mapping of Ventricular Tachycardia," Univ. of Pennsylvania, <u>Circulation</u> , Vol. 61, No. 2, February, 1980, pp. 395-404. |
| CS | Josephson, Mark E. et al., "Role of Catheter Mapping in the Preoperative Evaluation of Ventricular Tachycardia," <u>The American Journal of Cardiology</u> , Vol. 49, January 1982, pp. 207-220. |
| CT | Josephson, Mark E. et al., "Ventricular Activation During Ventricular Endocardial Pacing. II. Role of Pace Mapping to Localize Origin of Ventricular Tachycardia," <u>The American Journal of Cardiology</u> , Vol. 50, July 1982, pp. 11-22. |
| CU | Witkowski, Francis X. et al., "An automated simultaneous transmural cardiac mapping system," Special Communications, <u>The American Physiological Society</u> , 1984, pp. H661-H668. |
| CV | Holt, P.M. et al., "Ventricular arrhythmias, a guide to their localisation," <u>British Heart Journal</u> , 1985, Vol. 53, pp. 417-430. |
| CW | Fann, James I. et al., "Endocardial Activation Mapping and Endocardial Pace-Mapping Using a Balloon Apparatus," <u>The American Journal of Cardiology</u> , Vol. 55, April 1, 1985, pp. 1076-1083. |

| | |
|---|--------------------------------------|
| Examiner ELENI MANTIS MERLEADER | Date Considered 07/20/2000 |
|---|--------------------------------------|

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NOT
RECEIVED
BY
EXAMINER

| | | | | | | | |
|--|----|--|------|--|-------|--------------------------|-----------------------|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant W. PARKER WILLIS ET AL. | | Filing Date 8/3/98 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Name | Class | Subclass | Filing Date |
| | | | | | | | |
| | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Country | Class | Subclass | Translation YES NO |
| | | | | | | | |
| | | | | | | | |
| OTHER DOCUMENTS | | | | | | | |
| | CX | Hauer, Richard N.W. et al., "Endocardial catheter mapping: wire skeleton technique for representation of computed arrhythmogenic sites compared with intraoperative mapping," <u>Circulation</u> , Vol. 74, No. 6, December 1986, pp. 1346-1354. | | | | | |
| | CY | Borg, I. et al., <u>Multidimensional Similarity Structure Analysis</u> , New York; Springer Verlag, 1987, pp. 308-329. | | | | | |
| | CZ | deZwart, Michel et al., "Endocardial Catheter Mapping: Development of an Interactive Expert System for the Measurement of Local Activation and 3-Dimensional Electrode Position, Computers in Cardiology," <u>The Computer Society of the IEEE</u> , September 12-15, 1987, pp. 105-108. | | | | | |
| | DA | Klein, R. et al., "A System for 3D Tracking of Limb Movement," <u>Proceedings of the Ninth Annual Conference of the IEEE Engineering in Medicine and Biology Society</u> , November 13-16, 1987, Vol. 4. | | | | | |
| | DE | Pogwizd Steve M. et al., "Reentrant and Nonreentrant Mechanisms Contribute to Arrhythmogenesis During Early Myocardial Ischemia: Results Using Three-Dimensional Mapping," <u>Circulation Research</u> , Vol. 61, September 1986, pp. 352-371. | | | | | |
| | DC | Fenici, R. R. et al., "Catheter Ablation of Cardiac Arrhythmias: Magnetocardiographic Localization of Electrocatheters and Arrhythmogenic Foci," <u>8th International Congress "The New Frontiers of Arrhythmias"</u> , Marilleva, Italy, January 31 - February 6, 1988, pp. 723-731. | | | | | |
| | DE | Huang, Shoeni K. Stephen et al., "Radiofrequency Catheter Ablation of the Left and Right Ventricles: Anatomic and Electrophysiologic Observations," <u>Pace</u> , Vol. 11, April 1988, pp. 449-459. | | | | | |
| | DE | Langberg, Jonathan J. et al., "The Echo-Transponder Electrode Catheter: A New Method for Mapping the Left Ventricle," <u>Journal of the American College of Cardiology</u> , Vol. 12, No. 1, July 1988, pp. 219-223. | | | | | |
| | DF | Jackman, Warren M. et al., "New Catheter Technique for Recording Left Free-Wall Accessory Atrioventricular Pathway Activation (Identification of Pathway Fiber Orientation)," <u>Circulation</u> , Vol. 78, No. 3, September 1988, pp. 598-611. | | | | | |

NOT
RECEIVED
BY
EXAMINER

| | |
|--|-----------------|
| Examiner | Date Considered |
| | |
| * Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | | | | | |
|--|--|---|------|--|-------|--------------------------|-----------------------|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant N. PARKER WILLIS ET AL. | | | |
| | | | | Filing Date 8/3/98 | | Group | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Name | Class | Subclass | Filing Date |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Country | Class | Subclass | Translation YES NO |

| OTHER DOCUMENTS | |
|-----------------|---|
| DG | Young, A.A. et al., "Epicardial Surface Estimation from Coronary Angiograms," <u>Computer Vision, Graphics, and Image Processing</u> , Vol. 47, 1989, pp. 111-127. |
| DH | Fenici R. R. et al., "Magnetocardiographic Localization of a Pacing Catheter," <u>Advances in Biomagnetism</u> , 1989, pp. 361-364. |
| DI | Cikes, I. et al., "Cardiac catheterization guided by ultrasound," <u>Echocardiography in Cardiac Interventions</u> , 1989, pp. 77-88. |
| DJ | Ferek-Petric, B. et al., "Ultrasonically Marked Pacing System," <u>Echocardiography in Cardiac Interventions</u> , 1989, pp. 89-97. |
| DK | Kuchar, D. et al., "Electrocardiographic Localization of the Site of Origin of Ventricular Tachycardia in Patients With Prior Myocardial Infarction," <u>JACC</u> , Vol. 13, No. 4, March 15, 1989, pp. 893-900. |
| DL | Pagé, P. et al., "Surgical Treatment of Ventricular Tachycardia," <u>Circulation</u> , Sept. 1989, Vol. 80 (suppl I) pp. I-124 - I-134. |
| DM | Tweddell, J. et al., "Potential Mapping in Septal Tachycardia," <u>Circulation</u> , Sept. 1989, Vol. 80 (suppl I) pp. I-97 - I-108. |
| DN | Shenasa, M. et al., "Cardiac Mapping. Part I: Wolff-Parkinson-White Syndrome," <u>Pace</u> , Vol. 13 February 1990, pp. 223-230. |
| DO | Scheinman, M. et al., "Current Role of Catheter Ablative Procedures in Patients with Cardiac Arrhythmias," <u>Circulation</u> , Vol. 83, No. 6, June 1991, pp. 2146-2153. |
| DP | Buckles, D. et al., "Computer-Enhanced Mapping of Activation Sequences in the Surgical Treatment of Supraventricular Arrhythmias," <u>Pace</u> , Vol. 13, November 1990, pp. 1401-1407. |
| DQ | Aoyagi, S. et al., "Using Ultrasonic Waves," <u>IEEE</u> , (1991) pp. 2466-2471. |
| DR | Tanigawa, M. et al., "Prolonged and Fractionated Right Atrial Electrograms During Sinus Rhythm in Patients With Paroxysmal Atrial Fibrillation and Sick Sinus Node Syndrome," <u>The American College of Cardiology</u> , Feb. 1991, Vol. 17, No. 2, pp. 403-408. |

NOT
RECEIVED
By
Examiner

| | |
|----------|-----------------|
| Examiner | Date Considered |
| | |

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | | | |
|--|---|---|---------|--|----------|--------------------------|--|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant N. PARKER WILLIS ET AL. | | Filing Date 8/3/98 | |
| | | | | Group | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | Document Number | Date | Name | Class | Subclass | Filing Date | |
| | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | Document Number | Date | Country | Class | Subclass | Translation YES NO | |
| | | | | | | | |
| OTHER DOCUMENTS | | | | | | | |
| DS | Desai, J. et al., "Orthogonal Electrode Catheter Array for Mapping of Endocardial Focal Site of Ventricular Activation," <u>Pace</u> , Vol. 14, April 1991, Part I, pp. 557-574. | | | | | | |
| DT | Massé, S. et al., "A Three-Dimensional Display for Cardiac Activation Mapping," <u>Pace</u> , Vol. 14, April 1991, Part I, pp. 538-545. | | | | | | |
| DU | Kaltenbrunner, W. et al., "Epicardial and Endocardial Mapping of Ventricular Tachycardia in Patient With Myocardial Infarction," <u>Circulation</u> , Sept. 1991, Vol. 84, No. 3, pp. 1058-1071. | | | | | | |
| DV | Potratz, J. et al., "Echocardiographic Guiding of Catheter-Electrode During Endocardial Mapping to Determine Location of Late Fractionated Potentials in Patients with Acute Myocardial Infarction," <u>European Heart Journal</u> , Vol. 12, Abstract Supplement, p. 235, abstract 1242 (August 1991). | | | | | | |
| DW | Moshage, Werner et al., "Biomagnetic Localization of Ventricular Arrhythmias," <u>Radiology</u> , September 1991, pp. 685-692. | | | | | | |
| DX | Fenici, R., et al., "Biomagnetically localizable multipurpose catheter and method for MCG guided intracardiac electrophysiology, biopsy and ablation of cardiac arrhythmias," <u>International Journal of Cardiac Imaging</u> , 1991, Vol. 7, pp. 207-215. | | | | | | |
| DY | Saumarez, R. et al., "Geometrically Accurate Transaortic Mapping of Left Ventricular Endocardial Activation During Surgery," <u>JACC</u> , Vol. 19, No. 1, January 1992, pp. 125-129. | | | | | | |
| DZ | Chen, S. et al., "Reappraisal of Electrical Cure of Atrioventricular Nodal Reentrant Tachycardia -- Lessons From a Modified Catheter Ablation Technique," <u>International Journal of Cardiology</u> , (1992) Vol. 37, pp. 51-60. | | | | | | |
| EA | Pollak, S. et al., "Intraoperative Identification of a Radiofrequency Lesion Allowing Validation of Catheter Mapping of Ventricular Tachycardia with a Computerized Balloon Mapping System," <u>Pace</u> , Vol. 15, June 1992, pp. 854-858. | | | | | | |
| Examiner | | | | Date Considered | | | |
| | | | | | | | |
| * Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

NOT
RECEIVED
BY
EXAMINER

| | | | | | | | |
|--|----|---|------|---|-------|--------------------------|-----------------------|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | OCT 13 1998 U.S. PATENT & TRADEMARK OFFICE | | | |
| | | | | Applicant N. PARKER WILLIS ET AL. | | Filing Date 8/3/98 | |
| | | | | Group | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Name | Class | Subclass | Filing Date |
| | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Country | Class | Subclass | Translation YES NO |
| | | | | | | | |
| OTHER DOCUMENTS | | | | | | | |
| | EB | Chen, S. et al., "Radiofrequency Catheter Ablation For Treatment of Wolff-Parkinson-White Syndrome - Short- and Long-term Follow-up," <u>International Journal of Cardiology</u> , Vol. 37 (1992) pp. 199-207. | | | | | |
| | EC | Scheinman, M. "North American Society of Pacing and Electrophysiology (NASPE) Survey on Radiofrequency Catheter Ablation: Implications for Clinicians, Third Party Insurers, and Government Regulatory Agencies," <u>Pace</u> , Vol. 15, December 1992, pp. 2228-2231. | | | | | |
| | EE | Josephson, M., "Recurrent Ventricular Tachycardia," pp. 566-580; 608-615; and "Surgical and Nonsurgical Ablation in the Therapy of Arrhythmias," pp. 770-783, <u>Clinical Cardiac Electrophysiology: Techniques and Interpretations</u> , Sec. Ed., Lea & Febiger, 1993. | | | | | |
| | EE | Silka, M. et al., "Phase Image Analysis of Anomalous Ventricular Activation in Pediatric Patients With Preexcitation Syndromes or Ventricular Tachycardia," <u>American Heart Journal</u> , Feb. 1993, Vol. 125, pp. 372-380. | | | | | |
| | EF | Ruprecht, Detlef et al., "Spatial Free-Form Deformation with Scattered Data Interpolation Methods," <u>Computer & Graphics</u> , Vol. 19, No. 1, 1995, pp. 63-71. | | | | | |
| | EG | <u>Sonomicrometer Module--Model 201</u> Product Information Sheets (6 pages) Triton Technology, Inc., 1995. | | | | | |
| | EH | Ratcliffe, M. et al., "Use of Sonomicrometry and Multidimensional Scaling to Determine the Three-Dimensional Coordinates of Multiple Cardiac Locations: Feasibility and Initial Implementation," <u>IEEE Transactions on Biomedical Engineering</u> , Vol. 42, No. 6, June 1995, pp. 587-598. | | | | | |
| | EI | Denney Jr., Thomas S. et al., "Reconstruction of 3-D Left Ventricular Motion from Planar Tagged Cardiac MR Images: An Estimation Theoretic Approach," <u>IEEE Transactions on Medical Imaging</u> , Vol. 14, No. 4, 1995, pp. 625-635. | | | | | |
| | EJ | Clarysse, P. et al., "3D Boundary Extraction of the Left Ventricle by a Deformable Model with A Priori Information," <u>IEEE</u> , 1995, pp. 492-495. | | | | | |
| Examiner | | | | Date Considered | | | |
| | | | | | | | |
| * Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

NOT
RECEIVED
BY
EXAMINER

| | | | | | | | |
|---|--|---|--|--|--|--------------------------|--|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant N. PARKER WILLIS ET AL. | | | |
| | | | | Filing Date 8/3/98 | | Group | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----------------|------|------|-------|----------|-------------|--|
| *Examiner Initials | Document Number | Date | Name | Class | Subclass | Filing Date | |
| | | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------|------|---------|-------|----------|-----------------------|--|
| *Examiner Initials | Document Number | Date | Country | Class | Subclass | Translation YES NO | |
| | | | | | | | |

| OTHER DOCUMENTS | | |
|-----------------|---|-----------------------------------|
| EK | Fenici, R, et al., "Clinical Magnetocardiography Localization of Arrhythmogenic Structure," Clinical Physiology - Cardiovascular Biomagnetism Unit C.N.R. Catholic University of S. Heart, L. go A. Gemelli, Rome, Italy, date not known, but believed to be pre-1977, pp. 102-118. | NOT RECEIVED BY EXAMINER |
| EL | Meyer, S. et al., "Application of Sonomicrometry and Multidimensional Scaling to Cardiac Catheter Tracking," <u>IEEE Transactions on Biomedical Engineering</u> , Vol. 44, No. 11, November 1997, pp. 1061-1067. | |
| EM | Smith, W. et al., "Three Dimensional Ultrasonic Micrometer for Use in Cardiovascular Research," Annual International Conference of the IEEE Engineering in Medicine and and Biology Society, Vol. 13, No. 4, 1991, pp. 1520-1521. | |
| EN | Gubbels, Andrew, "Sonomicrometer Enhancement Implementing 16-Bit Counters into EPLDs," E.S. 400- Project Report, March 25, 1993, pp. 1-72. | |
| | | NOT RECEIVED BY EXAMINER |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|-----------------------|------------------------------|
| Examiner _____ | Date Considered _____ |
|-----------------------|------------------------------|

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | | | |
|--|----|--|----------|--|-------|--------------------------|-----------------------|
| FORM PTO-1449 (Modified) (Rev. 7-80) | | U.S Dept. of Commerce Patent and Trademark Office | | Atty Docket No. CRDP-2700 (CPC2000.004) | | Appln. No. 09/128,304 | |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant(s) N. PARKER WILLIS ET AL. | | | |
| | | | | Filing Date August 3, 1998 | | Group 3737 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Name | Class | Subclass | Filing Date |
| <i>GA</i> | AA | 5,817,022 | 10/06/98 | Vesely | 600 | 443 | 03/11/97 |
| | AB | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| *Examiner Initials | | Document Number | Date | Country | Class | Subclass | Translation YES NO |
| | AC | | | | | | |
| OTHER DOCUMENTS | | | | | | | |
| | AD | | | | | | |
| Examiner <i>ELENI MANTIS MERCADER</i> | | | | Date Considered <i>07/20/2000</i> | | | |
| * Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

